

### ABSTRACT OF THE DISCLOSURE

A robot cleaner for simultaneously and selectively performing automatic floor cleaning and automatic floor disinfection. The robot cleaner includes a body traveling automatically on a surface to be cleaned, a driving unit for driving a plurality of wheels  
5 provided under the body, and obstacle detecting sensors positioned to a front of the body for detecting an obstacle located ahead of a traveling direction. The robot cleaner also includes memory for storing position information of the obstacle detected by the obstacle detecting sensor, a dust vacuuming and collecting section installed to the body for vacuuming dust on a floor, and a disinfecting section installed under a bottom  
10 portion of the body for disinfecting the floor. The robot cleaner also includes a control section for controlling the driving unit to traverse the robot cleaner along a given traveling path, and also control the dust vacuuming and collecting section and the disinfecting section.